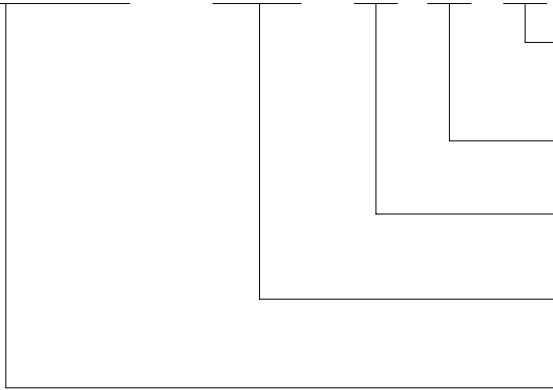


ORDERING CODE

HLS-T90 (15F) - DC12V - C - 0 - R



R-CUT PIN TYPE
NIL-NORMAL TYPE

O-OPEN
NIL-WASHABLE

CONTACT FORM
A:1 FORM A B:1FORM B C:1 FORM C

NOMINAL VOLTAGE
DC3V,DC5V,DC6V,DC9V,DC12V,DC24V,DC48V
TYPE

CONTACT DATA

Contact Form	1A /1B /1C	
Contact Material	Ag Alloy	
Contact Ratings	1A:30A240VAC/20A 28VDC 1B:15A 240VAC/10A 28VDC 1C:20A/10A240VAC/28VDC	
Max Switching Voltage	250VAC/30VDC	
Max Switching Current	30A	
Max Switching Power	6000VA/560W	
Initial Contact Resistance	100mΩ Max	at6VDC 1A
Life Expectancy Electrical	100,000	Operations (rated load)
Life Expectancy Mechanical	10,000,000	Operations (no load)

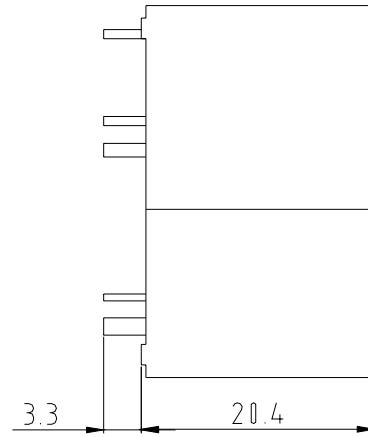
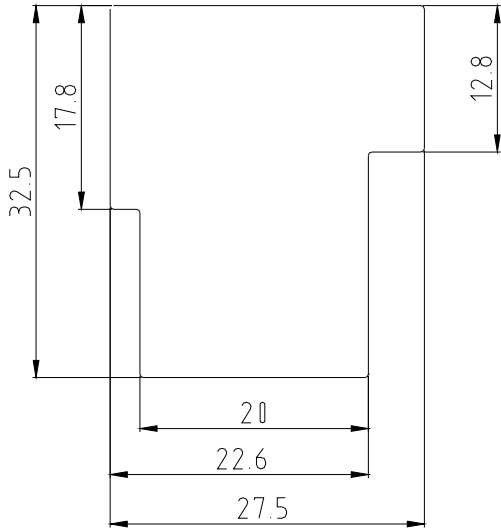
GENERAL DATA

Insulation Resistance	100MΩ Min at500VDC	
Dielectric Strength Between Open Contacts	1500VAC 50-60HZ (1 minute)	
Dielectric Strength Between Contacts And Coil	2000VAC 50-60HZ (1 minute)	
Operate Time	15ms max	
Release Time	10ms max	
Ambient Temperature	-40°C to +125°C	
Shock Resistance	Malfunction	10G
	Destruction	20G
Vibration Resistance	10-55Hz, 1.5mm double amplitude	
Ambient humidity	40-85% RH	
Weight	Approx 32g	
Safety Standard	UL CQC	

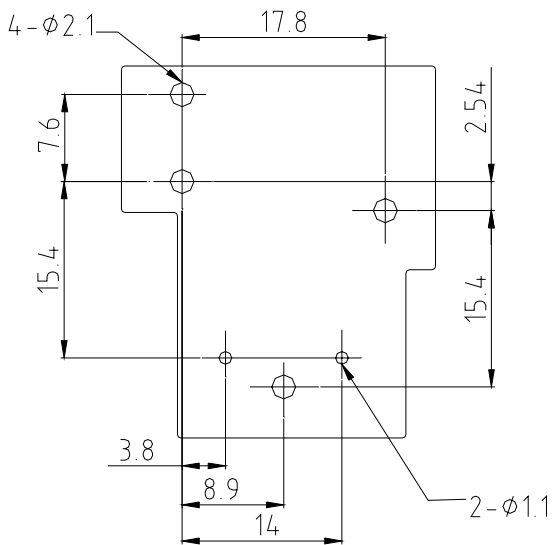
COIL DATA

Rated Voltage (VDC)	Coil Resistance Ω ($\pm 10\%$) 0.93W	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Max Applied Voltage (VDC)
3	9.7	2.25	0.15	3.9
5	26.9	3.75	0.25	6.5
6	38.8	4.5	0.3	7.8
9	87.1	6.75	0.45	11.7
12	154.9	9	0.6	15.6
24	619.4	18	1.2	31.2
48	2477.5	36	2.8	62.4

Outline Dimension (mm)

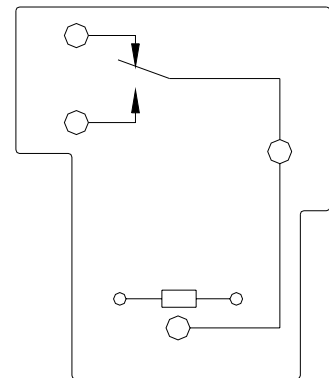


PC Board layout



(Bottom View)

Wiring Diagram



(Bottom View)